

Brunei - V8 Bob Schenck N2OO will be active as **V8500** (or another V85 call) Nov. 12-16, mostly CW, on the usual DX frequencies (see I560.)

Eastern Malaysia - 9M6 Bob then will operate as **9M600** Nov. 16-30, including the CQWW CW test. QSL both operations to his home call: Box 345, Tuckerton NJ 08087. Contributions are welcome.

Vatican - HV Larry Brockman N6AR will operate as **HV3SJ** Nov. 13-18. He'll be on 13-2000Z Nov. 13-15, and all day Nov. 16-17, mostly CW, including the new bands. Try 3505, 7005, and 20-25 kHz up from the bottom on the higher bands, listening up. QSL IØDUD. (He desperately needs to buy a new or used antenna tuner for the Kenwood TS-930 to take to IØDUD. Call him at his Florida home: 407-656-6392 if you can help.)

Isle of Man - GD Steven Musten G4UOL will be **GD4UOL** Nov. 17-30, CW only, including CQWW CW.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

Ascension Island - ZD Jim Neiger N6TJ makes his next trip to Ascension as **ZD8Z** Nov. 15-29, including the CQWW CW test. QSL W6CF.

Mozambique - C9 Lloyd and Iris Colvin W6KG and W6QL continue to be active as **C9QL**, until Nov. 5. Try 14006-012 kHz at 04-0500Z, and 19-2000Z; 15M CW 16-2000Z, and 28018 kHz at 2000Z. Iris is often in SSB nets. QSL Yasme, Box 2025, Castro Valley CA 94546.

Gambia - C5 Brian Coyne G4ODV will operate as **C56/G4ODV** Nov. 22-Dec. 6, mainly CW, including a single-band entry in CQWW CW. Try 3 kHz up, listening up 2 kHz. On infrequent SSB operations, try 3580, 7070, 14270, 21270, and 28470 kHz. He'll try 80 at local sunrise and sunset: 0630Z and 1800Z. Maybe some 160 meters at 1833 kHz. No tailenders, please. QSL direct only to home call in the *Callbook*, or to Box 100, Truro, Cornwall, England.

Reserve Your Island - CQWW CW

■ **CT3EU** will be operated by Dick King G3PFS Oct. 24-Nov. 14, including the Japan DX test. He'll sign **CQ9M** in the tests.

■ **9M6NA** will be a single-operator entry by Saty Nakamura JE1JKI. He'll be there Nov. 21-26, and will be active on 80 and 160-meter CW before the test. Try 1806 or 1826 kHz. QSL home call, direct, or via the JARL bureau.

■ **Svalbard - JW:** LA7SI will be on as **JW7SI** Nov. 21-26, on the new bands outside the test, and on all bands in the test. LA8XM will also be there as **JW8XM**, operating 40-meter single-band in the test. LA9XG will be on as **JW9XG** in another all-band operation. Try 3502, 7005, 14030, 18070, 21030, 24900, and 28030 kHz. QSL home callsigns.

■ **Turks and Caicos - VP5:** Will AA4NC and Lee AA4GA will be active as **VP5R** in a multi-single effort. QSL to AA4NC.

■ **KHØAM** will be a single-operator entry by JE1CKA. Try 1833, 1910, 3503, 3533, 7003, 7033, 14033, 21033, and 28033 kHz. 24903, 18073, and 10133 kHz outside the test. QSL home call. (Thanks *Japan DX News*.)

■ **J6DX** will be a multi-multi entry, led by W8OK. The 10 operators will be there Nov. 19-Dec. 1, many active with their own J6L calls. QSL J6DX to W8UMD, Box 91, Greenville OH 45331, and J6L-- calls to home operator.

■ **8P9HT** will be the call of John Laney K4BAI in the test, not 8H9HT as typoed in Issue 552.

Shortly Noted

■ **9Q5TE** is on 7066 kHz weekdays at 0430Z, listening 7066 and 7178 kHz. He moves to 14190 kHz at 0500Z. On Saturday, try 21315 kHz at 1400Z. QSL to SMØBFJ.

■ **STØYD** may be active this month. Try the net on 14256 kHz at 2330Z. (DXNS.)

■ **South Sandwich/South Georgia** operation has been cancelled for this season, due to money problems.

■ **3D2XV** is Bing VK2BCH on Rotuma, SSB only.

■ **FT4WC** starts a one-year stint on Crozet in mid-November, with FD1PRL as operator. QSL to F6GVH. (LNDX)

■ **PA6LIB** is a special event station Nov. 4, 08-1500Z. Try 3675, 7075, and 14135 kHz. QSL to Box 137, NL-4570 AC Axel, the Netherlands. (DXPress)

■ **SSB Net** check-ins: 14160 kHz: VP8CEG T7TV SV9AKI; 14222: C9QL ZK1TW TU2UI ZK1CX; 14227: A35XV AH9AC SU1HN JT5AA BY1QH 4S7EF FOØSSJ ZS8MI T32LN VQ9CQ HSØAC; 14256: ST2YD VP8CDJ HSØAC; 21335: ZD9CO SV9AKI UA2FZ UG6JJ 5V7DP CR9FF EA9UA 4S7NMR TU2JL UJ8UA UD6DR A61AD.

■ **Islands On The Air:** ZZØNS and ZZ5SC will be active Nov. 1-10 SSB only 40-10 meters from Sao Francisco Is. (SA-27) QSL to PP5SZ with SAE and 2 IRCs. Several HCs will be active /HD4 from Isla de la Plata SA-33 Nov. 2-3. René CU8AG is active from Flores (EU-89) to Nov. 23. KL7AF will return to Sitkinak (NA-53) in early Dec. Some spots: KO4J (NA-34) 21264 1650Z; KW2P (NA-62) 21262 1300Z; UA1HNP (EU-97) 14033 0540Z; OZ1KRK (EU-29) 14259 0615Z; SM7CRW (EU-37) 14259 0630Z; GMØEWX (EU-08) 28487 1800Z; PAØMDG (EU-38) 21262 1650Z; OH1QY (EU-96) 14258 1600Z; VE1ANJ (NA-14) 21260 1500Z.

Propagation

Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
November 1990	Date Flux A K	Date Flux A K
02 High Normal	10/06 169 17/15 3	09/08 159 07/11 2
03 High Normal	10/07 168 05/08 2	09/09 166 10/10 2
04 High Normal	10/08 179 03/10 1	09/10 168 11/12 3
05 High Normal	10/09 182 09/11 3	09/11 176 25/22 3
06 Disturbed	10/10 192 36/44 2	09/12 189 19/24 4
07 Below Normal	10/11 202 38/38 4	09/13 194 20/17 3
08 Below Normal	10/12 200 31/33 3	09/14 206 19/21 3
09 High Normal	10/13 207 11/14 2	09/15 203 21/24 2
10 High Normal	10/14 220 13/14 2	09/16 200 21/22 1
11 Low Normal	10/15 232 32/24 4	09/17 205 12/14 3
12 High Normal	10/16 226 09/11 2	09/18 203 23/19 4
13 Above Normal	10/17 193 05/07 1	09/19 208 14/16 3

Propagation Watch

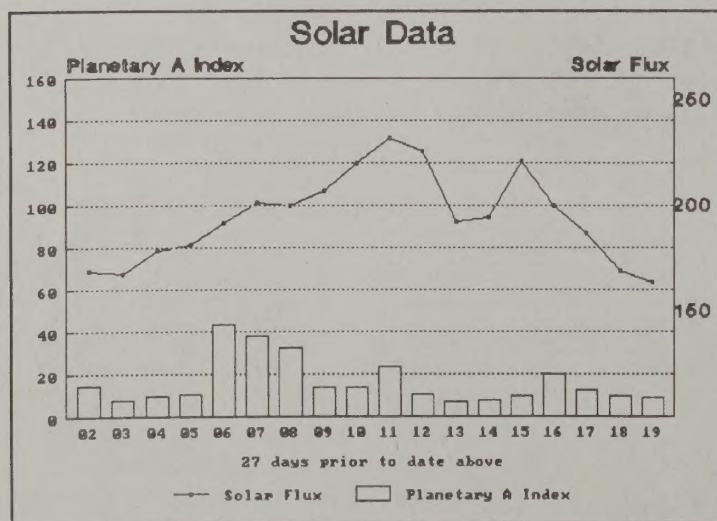
The propagation gods smiled on the CQWW SSB test Oct. 27-28. 10 meters stayed open throughout the daylight hours, with good signals. Only the lack of the polar path marred the high bands. 15 meters was occasionally open to most of the world simultaneously.

A very quiet geomagnetic field produced the good conditions. With a few days in a row of A indices below 10, the low bands were much better than average.

The forecast is for more of the same over the next few weeks. Solar activity will increase, with a peak expected in mid-November. We had a few, scattered reports of 6-meter openings in October. If the flux gets well about 200 this month, look for more 6-meter openings, including more east-west paths.

With the increase in solar activity comes an increasing chance of a solar flare disrupting conditions. Based on events in the last solar revolution, there is a possibility of unsettled conditions Nov. 2-8, with the bands returning to normal or better for the next 10 days. Check the solar report on WWV or WWVH for news of any solar flares.

In the absence of any flares, band conditions will continue to be excellent. Make the most of the polar path in the early evening, the long path on 40-20 meters at local dawn, and occasional long-path openings on the higher bands a few hours after local sunset. These openings are the first to disappear as conditions worsen, and they provide some unique opportunities to work long-haul DX.



Regulars

■ Armenia	UG6GAT	14230±	0300Z
■ Ascension Island	ZD8LII	28020±	12-1900Z
■ Botswana	A22AA	10M CW	1300Z
■ Brunei	V85GA	28480	2300Z
■ Ceuta & Melilla	EA9IB	28475	1500Z
■ Easter Island	CE0FFD	28010	18-2400Z
■ India	VU2NTA	14003	0100Z
■ Iraq (!)	YI1BGD	28525±	1330Z
■ Kampuchea	XU8DX	28470±	23-0100Z
■ Lebanon	OD5QX	28555	1500Z
■ Malawi	7Q7LA	10M CW	1100Z
■ Malawi	7Q7LA	14004	0345Z
■ Mauritius	3B8FQ	28008	1900Z
■ Mauritius	3B8DB	20M CW	1030Z
■ Mayotte	FH5EJ	28020	16-2000Z
■ Mongolia	JT1BR	15M CW	00-0100Z
■ Nepal	9N1MM	20M SSB	01, 1200Z
■ Oblast 174	UA8TAA	21013	0000Z
■ Oman	A47RS	10M SSB	1430Z
■ Qatar	A71CD	28425±	1200Z
■ Reunion Island	FR5DD	10M CW	11, 1900Z
■ Reunion Island	FR5DX	28498	1545Z
■ Reunion Island	FR5DX	3792	0200Z
■ Rwanda	9X5HG	15M CW	2100Z
■ South Shetlands	HF0POL	21260	2200Z
■ South Shetlands	HF0POL	14215±	0330Z
■ Sri Lanka	4S7CF	14004	01, 1200Z
■ Sudan	ST4/WZ6C	20M CW	0200Z
■ Suriname	PZ1DY	28470±	1300Z
■ Taiwan	BV2DA	28010	23-0100Z
■ Taiwan	BV2WA	28500±	2345
■ Tonga	A35XK	28009	0030Z
■ Turkmenistan	UH8EA	28490	1245Z
■ Zone 23	BY9GA	21024	0030Z
■ Zone 23	BY9GA	14010	1000Z
■ Zone 23	RV0YF	15M CW	0100Z

Special Effort to Eliminate DXCC Backlog

The ARRL has put Business Manager Barry Shelley in charge of the DXCC application-processing effort. Barry is not a licensed amateur, but has experience in the banking industry.) Tom Hogerty KC1J will help him organize a special task force to eliminate the DXCC backlog, currently about six months. John Lindholm W1XX will handle member inquiries on DXCC matters, taking over this task from Don Search W3AZD, who will continue to check cards.

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AA4NC, AA6WJ, AB8K, AK1E, DXNS, DXPress, G4ODV, G4UOL, Japan DX News, K1HDO, K1ZZ, K2AJY, K2OLG, K4BAI, K4GLU, K4LNA, K6IR, K6LEB, K6MJ, K7ABV, K7JBQ, K7UOT, K8CV, K8OQL, K9LJN, KA1NCN, KA3BDN, KA3UVU, KA7T, KC7V, K0CVD, KJ4BK, KK6H, KM9J, KN4BP, KQ3S, KR1S, KT7H, LA8XM, LNDX, N1HN, N2GBH, N2GLH, N2OO, N6AR, N6JM, N6TJ, N8AGU, NY5L, VE1RJ, W0JRN, W1AM, W1AW, W1BFT, W1CNU, W1FV, W1UN, W2GD, W3ULI, W4CVX, W4JVN, W4VQ, W5FIX, W5MCJ, W6JOX, W6UQF, W7AWA, W7YS, W8CT, W8MEP, W8OK, W9DH, WA2VKS, WA9AQE, WB8SFF, WB8YJF, WB8ZRL, WC5Q, WD9GGY, WK7Z, and NCDXC.

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Supplement DX Gatherings

■ **1990 New England DX Convention and Dinner:** The 1990 New England DX Convention and Dinner will be held on Saturday, November 10, at the Sheraton Tara Hotel, in Framingham MA (near Boston, Massachusetts Turnpike exit 12.)

The afternoon program will begin at 1pm and the evening program and dinner will start at 6pm. The program will feature the following presentations:

Current DX Packet Developments, a panel with Ken Wolff K1EA and Dick Newell AK1A, the two gurus of DX packet activity.

DXing in KC6 and P29, with a superb slide presentation of radio, scuba diving, and the tribespeople of the New Guinea highlands, by Paul Young K1XM and Charlotte Richardson KQ1F.

Recent DXpeditions of HA5PP and Company to XU and XW, a videotape presentation just released by Jacques Pecourt F2YS/W2.

DX Antennas of the '90s, with Joe Reisert W1JR, chief engineer of Cushcraft (and DXAC member).

Operating in Southeast Asia in the '50s and '60s, with Sid Shore K1SS, who operated from VS6, CR9, and HS in the good old days.

An Up-To-The-Minute Report on Operation from the Persian Gulf, with Don Greenbaum WB2DND.

In addition, there will be pile-up tapes to challenge the DXer's ear, a DX quiz, raffle and door prizes, DXCC report by Don Search W3AZD, DXAC report by W1JR, and an ARRL report by NE Division Director Tom Frenaye K1KI. QSLs for DXCC (endorsements only) will be verified by W3AZD and for WAZ and other CQ Magazine awards by Jim Dionne K1MEM. Additional features will be added if available.

For information, contact Joe Green K2VUI, 8 Wedgewood Road, Wellesley MA 02181, telephone 617-239-1370.

SEANET 90

by Festus Havelock 9M8FH

MARTS (Sarawak Branch) plays host this year to the 18th SEANET Convention in Kuching, Sarawak, East Malaysia November 10-12, 1990. The venue will be the Holiday Inn Kuching, QTH of Club Station 9M8MKS.

This year's gathering of the hams in Kuching will be of great significance not only to MARTS but also to other societies because it will be the first SEANET Convention to be held in 9M8 land. To use the amateur radio parlance, it will give members of the fraternity the opportunity for an eyeball QSO and, at the same time, go on "frequency" in this enchanting 9M8 land known as Sarawak. If you do come, you will find that there is more to Sarawak than just amateur radio activities.

The 18th SEANET Convention Organizing Committee has drawn up a program of your stay in Sarawak which if taken within your stride will, we believe, be beneficial, educational, and enjoyable. The fact that this year is Visit Malaysia Year will make a lot of difference to this year's gathering in Kuching. You simply must not miss this opportunity to be in 9M8 land in November!

Further information on the 18th SEANET Convention is available from MARTS PO Box 10777, Kuala Lumpur, Malaysia.



9V1SS, 9M2ZZ, 9M2SS, V85SS, and V85TT at the 1989 SEANET Convention in Singapore. (9M2ZZ photo.)

Callbooks Available

Duane Heise AA6EE is offering pre-publication prices on the 1991 Callbooks. Either edition (North American or International) is \$24.95, or both for \$48.95, postpaid in the US and possessions. Foreign orders add US\$2.75 per book. California orders add \$1.60 tax/book. Send check by November 23 to Duane at 16832 Whirlwind, Ramona CA 92065.

NCDXF Beacon Addition

The Northern California DX Foundation has updated its 14100 kHz beacon network, by adding transmissions on 21150 and 28200 kHz, beginning with the W6WX/b beacon in Stanford CA. After the 14100 kHz transmission (the second minute of the 10-minute beacon sequence), W6WX/b transmits for one minute on 21150, and then moves to 28200 for another minute. The NCDXF hopes to convert all nine beacons to the triband mode soon.

Japan International DX Contest

The 1990 Phone Japan International DX Contest starts at 2300Z on Friday, Nov. 9, and runs to 2300Z Sunday, Nov. 11. Single operators are limited to 30 hours of operating, with time off in blocks of at least 60 minutes. 80, 40, 20, 15, and 10 meters. Single-band; single-op, all-band; and multi-operator, all-band categories. Exchange is RS and serial number for DX stations, and RS and prefecture number (1-50) for Japanese. Japan works DX, other stations work Japan only. One point per QSO on 40-20 meters, and two points on 80 and 10 meters. Multipliers for Japanese entrants are DXCC countries per band, and for DX stations are prefectures plus the three JD1s, per band. Keep a separate log per band.

Plaques for top scorer in each category on each continent, and in each US CQ zone. Additional awards as participation merits. The top scoring USA station wins a round-trip ticket to Japan. Also, any station working all 47 prefectures during the contest can request a special contest award using the contest log. Logs and summary sheets must be postmarked by December 31, and addressed to the contest sponsor: *Five Nine Magazine*, P.O.Box 8, Kamata, Tokyo 144, Japan. (A summary sheet, complete copy of the rules, and a map of Japanese prefectures is available for an SASE from *The DX Bulletin*, P.O.Box 50, Fulton CA 95439.)

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PS Form 3526, Feb. 1989

(Do not write on reverse)

Up-Coming DXpeditions

- **St. Peter and St. Paul Rocks - PYØ:** The Natal DX Group is once again aiming for St. Peter and St. Paul Rocks, in May 1991. They are looking for donations to help cover the high cost of this DXpedition. If you can help, send your donation to the Group by registered airmail: P.O.Box 597, 59021 Natal, RN Brazil. (The story of their 1989 trip to the Rocks is in the December 1989 issue of *The DX Magazine*, available for \$2 postpaid from Box 50, Fulton CA 95439.)
- **DXpeditioner Wanted:** Doug Brabner VE7NH plans an extensive cruise of the Pacific on his 30-foot sail boat, departing Vancouver BC in June 1991. He says his itinerary is not set, but he is aiming for such rare spots as Wallis FW, Rotuma 3D, the Kiribatis (T3Ø-T33), Tuvalu T2, North and South Cooks ZK1, etc. From there, to the south and west, are Mellish Reef VK9, Norfolk Island VK9, Lord Howe VK9, Campbell and Auckland Islands ZL9, etc. Doug is looking for a sailing companion (or two), good on CW, willing to share costs, stand watch, etc. He promises to answer all inquiries, and any CW person can get further information by writing to Doug at 1429 Williams Avenue, North Vancouver BC Canada V7L 4G1.
- **Spratlly, Again:** Romeo Stepanenko 3W3RR is planning a return visit to Spratlly 1S, to work the East Coast and Europe stations that he missed on his April-May 1990 operation. If all goes well, he will be active for about one week, in December. However, he needs to raise \$5,000 to cover the cost of bringing food, water, equipment, generators, fuel, and antennas to the island. Ed Kritsky NT2X has offered to collect funds for this trip. If the total amount can't be raised, all contributions will be returned. Send your contributions to Box 300715, Brooklyn NY 11230,

Notes From All Over

- **SAREX and PacketCluster:** A letter from Jay O'Brien W6GO concerning the potential interference to PacketCluster nodes on 144.95 MHz from the much-delayed SAREX space shuttle operation in the September 1990 *AMSAT Journal* has the wrong DX BBS telephone number. For more information on this problem, download File 10 from DX BBS: 916-992-0923.
- **Curacao Certificate:** Vereniging voor Experimenteel Radio Onderzoek in Nederlandse Antillen (VERONA) wishes to clear up the confusion about paying for their *Curacao Certificate*. The cost is US\$3, but in IRCs only, please. Postal money orders and personal checks are not acceptable.
- **New Bands in Cayman Islands:** Rogen Corbin, Secretary of the Cayman Island Amateur Radio Society, reminds DXpeditioners that 30, 17, and 12 meters are **not** yet available to amateur use in the Caymans. Inadvertent use of these bands by visitors could detract from negotiations underway by local hams to get the new bands authorized for amateur use.
- **Most Wanted Islands:** *DX News Sheet* has published a list of the Most Wanted Islands On The Air entities. Some are within easy reach of US amateurs. Anticosti VE2, Belle Isle VO2, Santa Margarita Group XE, and Bimini C6 are in the Top Ten most wanted. The list of the top 50 is available for an SASE. The complete IOTA Directory is available to North American amateurs for US\$4, postpaid, both from *The DX Bulletin*, P.O.Box 50, Fulton CA 95439.

B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY				
5Z4BI	21083	2020	21	PA
9J2BO	28091	1329	21	OH
D68VT	14089	0202	26	PA
J28TY	28091	1329	21	OH
UA1ZGN	14088	1210	20	CA
UZ9OWD	14087	1235	20	CA
V51P	21085	1829	21	NH
VK9NM *	14092	2347	25	FL
VU2RX	28085	1413	7	TX
YN1CB	14081	0222	25	PA
Z21GU	28088	1820	20	CA
ZK3KY	14080	0523	14	TX
ZLØAIC	14089	0510	14	TX

160 Meters				
XF1C	1830	0332	16	WA
ZP5JCJ	1845	0540	21	WA

80 Meters				
3C1EA	3503	2305	14	MD
UAØXAO	3503	1205	22	IA
UL7JW *	3506	1335	20	AZ
ZB2/	3508	0023	24	FL
WA6CDR				

75 Meters				
9M2DM	3800	1324	19	AZ
FR5DX	3791	0148	17	NC
H44AP	3798	1225	19	IA
P29DY	3799	1230	20	IA
UAØFF	3798	1210	22	IA
VK6HE	3799	1103	7	NC
VK6LK *	3799	2151	21	MA

40 Meters				
5U7NU	7005	0212	21	MA
A35XK	7009	1202	20	IL
HC5AI	7007	0924	25	FL
UAØWB	7010	2305	21	IA
UZØZWC	7003	1100	21	FL
VS6BG *	7003	1225	21	IL
YN1CC	7002	0634	23	CA

30 Meters				
C31LBB	10108	2213	19	VA
C6AFN	10104	2313	17	FL
CT3/	10102	0152	21	VA
W6TEX				
EA8AF	10112	2200	19	CT
FH5EJ	10102	0300	16	CT
FH5EJ	10103	2109	20	VA
OY7ML	10102	0003	23	CT
SV1ANW	10106	2307	26	FL
SV9ADH	10104	2205	16	VA
UØAG	10103	2309	21	FL
VK3MR *	10103	2218	24	FL

20 Meter CW				
3B8CF	14033	0344	15	NH
3B8DB *	14026	1028	17	NJ
3C1EA	14015	0601	19	NH
3D2AG	14023	0448	21	AZ
4S7CF	14003	0056	17	NH
4S7CF	14022	1203	21	IL
7Q7LA	14005	0348	21	CO
7Q7LA *	14010	1407	20	PA
8Q7JP	14005	2145	16	NH
9M2AX	14026	1116	17	NJ
A35XK	14015	1031	17	NY
A41JV	14016	0057	18	PA
BV2DA	14002	1355	22	MI
BV2TA	14012	1107	11	IL
BY1QH	14010	1011	16	NH
C21DX	14044	0626	18	CA
C9QL	14002	0345	26	PA

C9QL	14007	1925	23	NH
FR5DD	14007	0237	16	CO
JT1CS	14027	0033	12	VA
JW0GB	14030	1110	20	PA
JW0GB	14026	1845	23	NH
JY9SR	14028	0011	13	VA
KC6CQ	14027	1182	15	GA
OY7ML	14025	0006	17	MT
RI1OA	14027	0042	27	FL
ST4/WZ6C	14010	0153	11	OK
TA2ZA	14062	0458	17	UT
TU2MA	14007	0108	8	OK
UG6GAW	14005	0405	19	NH
UH8EA	14016	0405	20	CA
UL7GDX	14020	1325	16	CO
UL7LFB *	14017	0414	21	IL
UL7VBP	14026	0136	20	VA
UM8QDX	14013	0040	27	FL
UM8QDX	14001	1146	21	WV
V31SW	14010	1121	18	NB
VK6DU *	14006	1242	19	NB
VU2HSM	14009	1126	16	FL
VU2ICY *	14011	1245	12	MN
VU2NTA	14005	0112	23	FL
VU2NTA *	14001	1203	22	WV
VU2PCD *	14020	1423	20	MT
VU2RKR	14016	1140	15	FL
VU2TS *	14030	1153	16	GA
YN/	14007	2244	21	MI
SMØOIG				
ZLØAIC	14013	0420	21	AZ
Antarctica				

20 Meter SSB				
5N3ØBFD	14184	2250	15	MD
7Q7LA	14247	0439	18	NC
9N1MM	14178	0045	21	PA
9N1MM	14253	1221	22	NH
A41KJ	14198	1307	19	CO
A71CD	14215	0135	22	IA
C9QL	14214	0500	22	NJ
CEØZCD	14196	0046	18	NY
Juan Fernandez				
D44BC	14193	0638	20	CT
FR5BV	14162	1257	19	TX
HFØPOL	14229	0336	17	NC
HFØPOL	14220	0930	13	CT
South Shetlands				
J28NU	14172	0336	18	MD
J5CVF	14208	2336	20	CT
JD1AMA	14165	1249	18	NY
Ogasawara				
JY9SR	14222	0025	23	NY
P29BT	14206	1241	12	MD
TA5L	14190	0100	19	OR
UG6GAT	14223	0310	20	OR
UH8EA	14196	0300	20	OR
UJ8JDT	14211	0150	19	GA
UJ8XC	14185	0303	14	NC
V51BG	14244	0530	19	OR
XX9KA	14184	1353	21	IL
YI1BGD	14250	0600	19	OR
YK1AO	14250	0540	19	OR
ZD8DQ	14192	0445	21	IL

17 Meter CW				
7X3DA	18071	2227	16	MA
C31LBB	18071	1640	12	OH
VU2TS	18072	1816	16	MA

17 Meter SSB				
D44BC	18125	0445	23	OK

15 Meter CW				
4S7EA	21012	0145	18	GA
9M2AX	21024	0125	17	GA
9V1YC	21025	0005	17	CA

9X5HG	21034	2117	14	OH
BY4RB	21018	0236	20	WV
BY9GA	21026	0155	23	UT
Zone 23				
C9QL	21011	1600	17	NE
C9QL	21029	2040	17	ID
CEØFFD	21010	2051	21	FL
Easter Island				
EA9FT	21017	2129	26	FL
FR5BT	21041	1553	22	NH
JT1BR	21026	2355	16	GA
JT1CO	21016	0200	19	GA
PZ1DY	21012	0048	19	CA
RVØYF	21012	0050	9	FL
Zone 23				
TF3CW	21019	2350	8	CA
UA8TAA	21013	0008	22	FL
UI8GBL	21053	0151	18	GA
UJ8JCQ	21020	0307	18	IL
V2/G6QQ	21025	0112	19	GA
V2/G6QQ	21045	1644	21	GA
V31SW	21011	0209	23	MI
VU2PTT	21028	0140	19	UT
ZD8BOB	21011	2013	21	OR
ZD8CUE	21025	2127	22	FL
ZD8LII	21028	2323	22	FL

15 Meter SSB				
3B8FU	21370	2010	21	MD
4U1UN	21307	2335	12	OH
5Z4BP	21248	1857	21	MA
7X2CR	21345	1900	22	NY
9L1SL	21295	2132	22	NH
9L1US	21333	1938	14	MN
9M2CW	21248	2220	12	OH
9M8MG	21302	0400	20	CA
9Q5PA	21299	1852	12	MD
HFØPOL	21260	2206	23	CT
OD5WH	21387	1230	17	NC
ST4/WZ6C	21335	2145	8	CA
TJ1BJ	21308	1938	13	MN
TU2PA	21298	1907	12	MD
UL7RER	21256	0246	18	IL
VQ9HW	21285	1514	18	CO

12 Meters				
BV2FA	24896	0130	20	CT
D44BC	24945	1229	14	NC
FH5EJ	24892	1715	16	CT
HZ1HZ	24891	1848	16	NH
YN/	24907	1510	16	NH
SMØOIG				
YO8FR	24894	1154	19	WV
ZK3KY	24940	0216	19	AZ

10 Meter CW				
1Z9D	28018	0140	20	MT
3B8FQ	28008	1840	16	CT
3B8FQ	28008	2007	18	NY
4U1UN	28020	2049	14	OH
7Q7JA	28018	1156	17	GA
7Q7LA	28028	1100	17	CT
7Q7RM	28025	1945	13	IL
7X2AX	28007	1816	17	CA
8R1J	28013	2148	21	GA
A22AA	28022	1300	21	TX
A35XK	28006	0030	21	FL
A41JV	28012	1340	19	TX
BV2DA	28011	2250	19	UT
C9QL	28014	1215	18	NB
C9QL	28018	2018	16	NH
CEØFFD	28005	1737	18	CO
EA8AF	28009	1359	21	IL
EA9TL	28003	1435	21	CT
FH5EJ	28020	1545	20	AZ
FR5BT	28016	1341	23	NH
FR5DD	28010	1058	17	NJ

FR5DD	28004	1850	16	CO
J28NU	14011	1832	19	MI
KC6CQ	28026	2241	14	MD
OX3TW	28008	2145	18	CA
OY7ML	28017	1405	17	FL
TA2AO	28012	1757	16	MA
UD7ØGF	28027	1507	10	NH
VK6XA	28012	2240	21	CT
VK9NL	28011	0024	15	MD
VU2PCD	28013	1740	18	CT
XT2BW	28022	1215	21	FL
YN1CC	28015	1355	22	NY
ZD8LII	28020	1224	17	FL
ZD8LII	28013	2018	20	CA

10 Meter SSB				
5Z4BI	28462	2011	18	MD
5Z4FS	28459	2018	18	MD
6W1QJ	28501	1404	12	MN
8R1RBF	28570	1239	21	VA
8R1RPN	28540	1549	21	IL
9J2FR	28530	1845	21	NH
9M6HF	28485	0144	21	CO
A22JP	28452	1729	13	NY
A47RS	28474	1425	17	IA
A61AD	28362	1330	19	IA
A71CD	28407	1148	19	NJ
BV2WA	28494	2346	18	MD
BY4RB	28496	0120	19	MI
BY4WNG	28544	0031	22	NH
C21DX	28489	2344	18	OR
C53GB	28460	1305	12	MN
C9QL	28488	1745	16	MA
D44BS	28485	1150	21	NJ
DJ9EK	28580	2210	22	NJ
EA6BE	28488	1632	18	FL
EA9IB	28470	1425	13	OH
EA9PB	28532	1145	21	NJ
FR5DX	28498	1544	16	CA
FR5DX	28493	1955	18	FL
FT4XG	28569	1100	20	NJ
H44AP	28522	2200	17	NB
J5CVF	28443	2331	18	OR
OD5QX	28504	1255	16	TX
OY6FRA	28489	1902	17	MD
OY9JD	28489	1522	14	MN
P29KH	28506	0050	20	NJ
PZ1DY	28485	1252	13	MN
S01A	28482	1510	21	NH
S01A	28408	1955	20	TX
ST2YD	28484	1626	18	FL
T30JH	28519	0050	20	MI
TJ1MR	28450	1245	21	TX
TU2UI	28498	1140	24	NJ
TZ6VV	28434	1807	21	NH
UG6JJ	28552	1534	17	NC
UH8EA	28485	1240	19	MD
V51BG	28547	1548	21	MD
V85GA	28481	2227	15	MD
V86CT	28480	2326	18	MD
V86VO	28480	2345	19	NJ
VU2GHS	28438	1335	20	IL
XU8DX	28477	2317	21	NH
YI1BGD	28518	1330	13	IL
YK1AA	28452	1245	19	IA
Z2/OX3SG	28455	1402	12	MN
ZC4MK	28885	1358	12	MD
ZD7DP	28514	2003	10	MA
ZD8Z	28491	1350	20	CA
ZK3KY	28467	0015	20	CA
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ZS9A	28610	1637	14	MD
ZS9S	28615	1942	10	MA

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PZ1DY 28470± 1300Z	562
JWØGB 14025± 1100Z	561
UI8JQC 15M CW 0200Z	561
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BV2WA 28500± 2345Z	562
ZK3KM 28475± 2200Z	561
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